

Water Soluble -Semi - Synthetics

Product	Application	Water Hardness		Material			Features & Benefits
		Hard	Soft	Cast Iron	Steel	Aluminium	
CIMSTAR MB 602C	Grinding	✓	—	✓	✓	✓	Very good rancidity control - exhibits true biostatic action. Suitable for a wide range of materials and operations. Does not stain aluminium and aluminium alloys. Clean and mild product. Suitable as a replacement for cutting oils in automatics and multi - spindle machines where machine design permits the use of water based fluids.
CIMSTAR 560	Grinding	✓	—	✓	✓	—	Very good rancidity control - exhibits true biostatic action. Suitable for a wide range of materials and operations. Excellent emulsion stability. Will not smoke or burn. Low Top - up rate leading to cost savings.
CIMSTAR 506	Grinding	✓	✓	✓	✓	—	Very good rancidity control - exhibits true biostatic action. Suitable for a wide range of materials and operations. Excellent emulsion stability. Clean and mild product. Will not smoke or burn. Excellent foam control. Low Top - up rate leading to cost savings.
CIMSTAR 156	Grinding	✓	—	✓	✓	—	Very good rancidity control - exhibits true biostatic action. Suitable for a wide range of materials and operations. Excellent emulsion stability. Clean and mild product. Will not smoke or burn. Excellent foam control. Top -up rate lower than expected.
CIMSTAR 501	Grinding	—	✓	✓	✓	—	Specially designed for soft water with Excellent emulsion stability. Clean and mild product. Will not smoke or burn. Excellent foam control. Low Top - up rate leading to cost savings.
CIMSTAR SIR	Grinding	✓	✓	✓	✓	—	Suited for wide range of materials and operations. Keeps grinding wheels open and free cutting. A stable product suitable for use in hard water. Exceptional rancidity control and corrosion control. Good settling characteristics.



The CUMICHEM range offers superior wetting, cooling and friction reducing properties. These characteristics, coupled with excellent operator acceptance, extended sump life and low foam, help maximize production rates, accuracy of the finished part and provide the highest rate of return on your coolant investment.

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		Hard	Soft	Cast Iron	Steel	Aluminium	
CUMICHEM SEM-917	Machining	—	✓	✓	✓	—	Light/medium duty. Designed to run on a wide variety of machine tools and applications including milling, drilling, turning, and grinding of ferrous metals and cast iron.
CUMICHEM SEM-917-HM	Machining	✓	—	✓	✓	—	Light/medium duty. Designed to run on a wide variety of machine tools and applications including milling, drilling, turning and grinding of ferrous metals and cast iron.
CUMICHEM SEM-927	Machining	—	✓	✓	✓	—	State of the art, bio-static semi-synthetic coolant. Designed to run on a wide variety of machine tools and applications such as milling, drilling, turning and grinding operations.
CUMICHEM SEM-927-HM	Machining	✓	—	✓	✓	—	High performance semi-synthetic designed to be extremely hard water tolerant. Formulated to run on a wide variety of machine tools and applications such as milling, drilling, turning and grinding operations.
CUMICHEM SEM-929	Machining	—	✓	✓	✓	—	State of the art, bio-static semi-synthetic coolant. Designed to run on a wide variety of machine tools and applications such as milling, drilling, turning and grinding operations. Offers enhanced performance due to added extreme pressure components. Contains chlorine.
CUMICHEM SEM-929-HM	Machining	✓	—	✓	✓	—	Designed to run on a wide variety of machine tools and applications such as milling, drilling, turning and grinding operations. Offers enhanced performance due to added extreme pressure components. Extremely hard water tolerant. Contains chlorine.



Water Soluble - Micro Emulsions

Product	Application	Water Hardness		Material			Features & Benefits
		Hard	Soft	Cast Iron	Steel	Aluminium	
CUMICHEM ME-347	Machining	–	✓	✓	✓	✓	State of the art. Performs extremely well on multi-metal applications. Machine tool friendly with low foaming properties. Perfect choice for facilities attempting to find one product for the entire plant.
CUMICHEM ME-347-HM	Machining	✓	–	✓	✓	✓	High performance micro-emulsion product for multi-metal applications. Extremely hard water tolerant. Perfect choice for facilities attempting to find one product for the entire plant in areas of harder water.
CUMICHEM ME-349	Machining	–	✓	–	✓	✓	High lubricity, micro-emulsion. Performs extremely well on multi-metal applications. Machine tool friendly with low foaming properties. Offers enhanced performance due to added extreme pressure components. Contains chlorine.
CUMICHEM ME-349-HM	Machining	✓	–	–	✓	✓	High lubricity, micro-emulsion. Performs extremely well on multi-metal applications. Machine tool friendly with low foaming properties. Offers enhanced performance due to added extreme pressure components. Extremely hard water tolerant. Contains chlorine.

